

ABSTRACT

The pseudo depth information of a subject is generated from multiple images of the subject captured with and without illumination or under various
5 illumination intensities. A pseudo 3D image generating apparatus generates a pseudo 3D image. It includes an image storing unit that stores the images, and a depth computing unit that computes pseudo depth values of the subject based on operations between the pixel values of
10 corresponding pixels in the images. A compact and handy 3D image generating apparatus is provided.